

# Indigo Coding Competition

Spring 2023

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**Brought to you** by the Carmel Computer Science Honor Society and Indigo

# Contest Overview

The Indigo Coding Competition is a high school programming contest hosted by students from Indiana. Our mission is to inspire a love of programming and computer science in all! This contest is designed to allow high-schoolers to showcase their programming talents and promote their problem-solving skills.

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# Problems

## Format

- 10 problems
  - 2.5 hours
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## Difficulty

- **Easy:** Introductory knowledge of computing concepts such as variables, loops, if-conditions, etc.
- **Medium:** Knowledge of basic algorithms/data structures (binary search, recursion, etc.). May require some degree of computation efficiency.
- **Hard:** Advanced algorithms/data structures, more logical complexity.

# Submissions

## Submissions

Submitted code will be run on a set of hidden test cases. Constraints on the test cases will be stated in the problem statements.

## Results

**Accepted:** Congratulations, your code passed!

**Wrong answer:** Your code outputs the wrong answer for one or more of the test cases.

**TLE:** Time Limit Exceeded. Your code's runtime has exceeded the limit.

## Limits

- 2 seconds for C/C++
- 4 seconds for Java/Python
- 512 MB

# Scoring

## Scoring

You will gain points for each test case you pass correctly. It is possible to get partial scores for problems (e.g. 8/10)

## Penalties

There will be **no penalty** for an incorrect solution

## Tiebreaks

If two accounts have the same score, the tie will be broken using the time of the first correct submission of the last solved problem.

## Pairs

If both members of a duo are using separate accounts and the accounts have different rankings at the end of the contest, the higher-ranked account will be used as the team's final placement.

# Rules

- You may use the Internet for help, but all code submitted must be your own
  - Pre-written code/templates are fine, but they must be your own
  - Communication with other teams is not allowed. Please do not share solutions with other teams.
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# Prizes

## In-State Prizes

1. \$150 Amazon Gift Card
2. \$100 Amazon Gift Card
3. \$50 Amazon Gift Card

Only pre-college teams with **both** members from Indiana may win these prizes. One prize per team.

## Out-of-State Prizes

1. \$150 Amazon Gift Card
2. \$100 Amazon Gift Card
3. \$50 Amazon Gift Card

Only pre-college teams may win these prizes. Not limited to US participants. One prize per team.

## Raffle Prizes

1. \$25 Amazon Gift Cards (6x)
2. 1-Month Discord Nitro Subscription (3x)

Pre-college **individuals** from any location may win these prizes if they have:

- Not won a top 3 prize, and
- Their team submitted at least one solution during the contest.

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# Raffle Prize Form

- Names from this form will be the names we draw from to determine the raffle prize winners
- If you are in a partnership, both members should fill out the form

**TLDR: fill out the form if u want a raffle prize**



## Corporate Sponsors



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COMPUTING, AND ENGINEERING  
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## Individual Sponsors

Caleb Garret, Mark Jones, Veronica Justin, Eric Zhu

# CSHS Applications

**APPLY FOR CS HONORS SOCIETY**

[HTTPS://TINYURL.COM/CSHSAPPLICATION2023](https://tinyurl.com/cshsapplication2023)

Help expand access to CS education

Serve your community through CS initiatives

Lead fun events such as hour of code, the annual programming competition, and more!

APPLICATIONS CLOSE  
APRIL 28, 2023

# Problem Writers

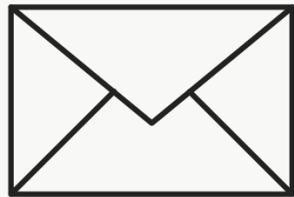
- Aakash Patel
- Aryan Bakshi
- Rohan Bhosale
- Alex Chrzanowski
- Trung Dang
- Henry Lee
- Nathan Martin
- Alexandra Yang
- Melinda Yong

Thank you so much to all of the amazing problem writers and test-solvers who made this contest possible!

A special thank you to Stefan Dascalescu and Bill Feifor going above and beyond, and to Chris Liu for everything basically.

# Get In Touch

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**Email**

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**Website**

[indigocode.org](http://indigocode.org)

**or just talk to me**

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